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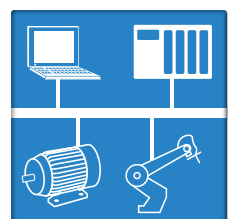
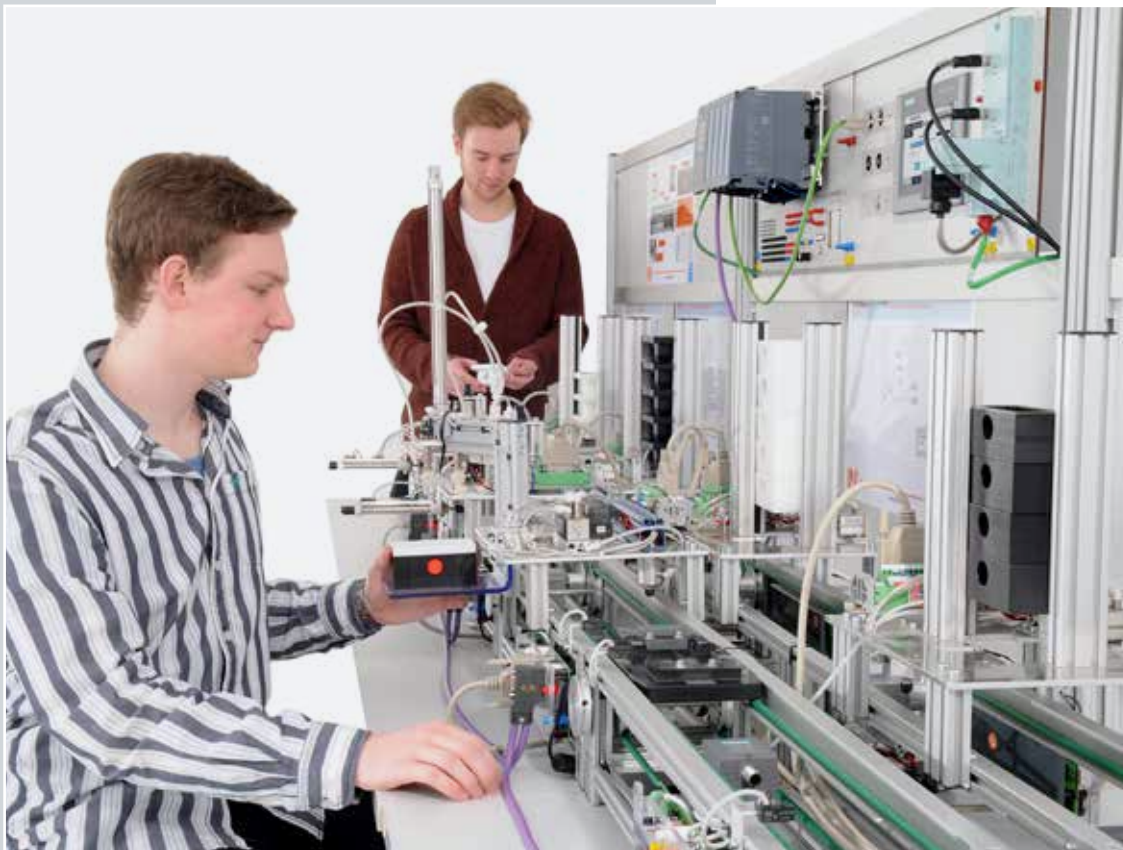
Training Systems Australia
Better Learning Outcomes
A Division of Pullman Learning Group

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Industry 4.0 Training System

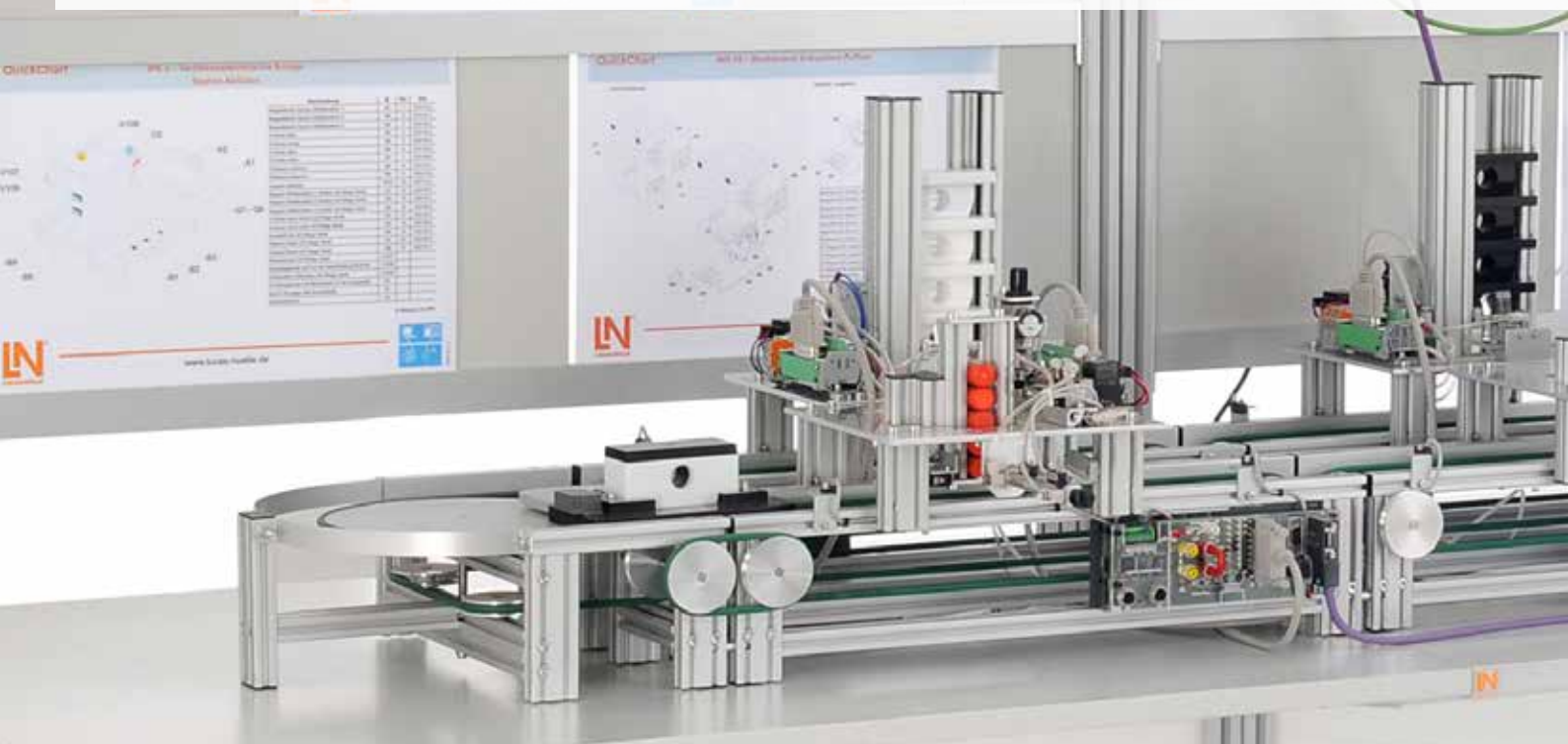
Implement courses with the innovation
of automation and control technology



Industry 4.0 with IMS®

Smart factories

In order to program modern production lines, industry needs technicians who have been trained using realistic training systems. The Industry 4.0 training system helps trainees learn how to program PLC systems and manufacture three-component workpieces with full automation. Up to eight different workpieces can be requested by trainees by means of the built-in touch panel. The way that the workpiece is to be assembled is conveyed to the processing station by means of an RFID tag on the workpiece carrier. These systems are fully integrated into a network using PROFIBUS and PROFINET, thus allowing for permanent monitoring of functionality as well as diagnostic capabilities. The Industry 4.0 training system is particularly suitable for trainees following the new career path of "production engineers". Another new career which will gain importance in future is that of "system integrator", and this training system is the ideal preparation for the practical aspects of that vocation.

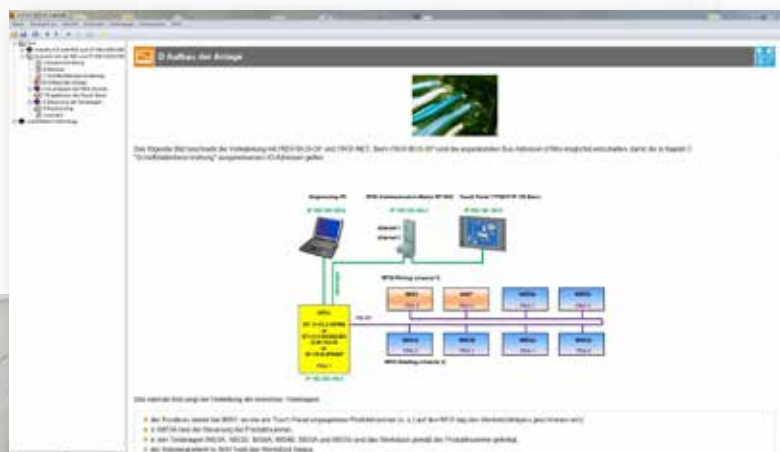


Benefits to you

- **Transport system:**
Dual-belt conveyors with DC drive motors and variable-speed three-phase drive motors
- **ID system:**
An RFID identification system transmits how the workpieces are to be assembled to the processing station
- **Control level:**
Set up manufacturing jobs on a PC at a control centre, use visualisation methods to trace the processes and also collect operating data
- Interconnection of the control centre via TCP/IP
- Network integration via PROFIBUS and PROFINET

ILA course

An ILA course (Interactive Lab Assistant course) supplements the training system and introduces trainees to the topic of Industry 4.0 by means of interactive experiments. It provides an extensive experiment platform as well as questions with feedback functionality and evaluation capability allowing you to monitor your students' level of knowledge.



Control and monitor just like in industry and keep track using a smartphone or tablet.

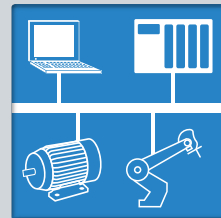
Training contents

- Industry 4.0 procedures
- RFID technology
- Detailed experiment descriptions
- Using a touch panel for project management
- Control of various parts of the system
- Overall implementation





Industry 4.0 Training System



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